

IN THE CLAIMS

Please amend claims 1, 14, 20 and 30. A copy of all claims now pending follows:

1 1. (Currently amended) A method of optimizing the delivery of content
2 data from a web server to a client device, said method comprising:
3 storing a plurality of files, including files containing non-optional content
4 data and optional content data;
5 receiving a request for content data from a client device;
6 determining performance characteristics of the client device;
7 selecting one of the plurality of stored files for providing to the client device;
8 automatically including from the selected file the non-optional content data, and
9 automatically selecting optional content data of the content data
10 responsive to the performance characteristics of the requesting client
11 device; and
12 transmitting the selected file, including the non-optional content data and the
13 selected optional content data to the requesting client device.

1 2. (Original) The method of claim 1 wherein selecting optional content
2 further comprises:
3 selecting one of a plurality of content items responsive to the performance
4 characteristics of the requesting client device.

1 3. (Original) The method of claim 2 wherein the plurality of content items is
2 ordered with respect to highest and lowest performance characteristics of client devices,
3 and selecting comprises:
4 responsive to a client device having a highest performance characteristic,
5 selecting a first ordered content item.

1 4. (Original) The method of claim 2 wherein the plurality of content items is
2 ordered with respect to highest and lowest performance characteristics of client devices,
3 and selecting further comprises:

4 responsive to a client device having a highest performance characteristic,
5 selecting a last ordered content item.

1 5. (Original) The method of claim 3 wherein optimization constraints are
2 assigned to classes of client devices, and each class of client device has different
3 performance characteristics, further comprising:

4 determining the performance characteristics of the requesting client device;
5 determining a class of client device to which the requesting client device belongs
6 responsive to the determined performance characteristics of the
7 requesting client device;
8 assigning the requesting client device an optimization constraint responsive to
9 the determined class of client device to which the requesting client
10 device belongs; and
11 selecting comprises selecting a content item whose order corresponds to the
12 optimization constraint.

1 6. (Original) The method of claim 5 further comprising:
2 responsive to an optimization constraint specifying a class of device having a
3 lowest performance characteristic, selecting a content item requiring a
4 least amount of bandwidth to be transmitted.

1 7. (Original) The method of claim 5 further comprising:
2 responsive to an optimization constraint specifying a class of device having a
3 lowest performance characteristic, selecting a content item comprising a
4 least amount of data.

1 8. (Original) The method of claim 2 wherein optimization constraints are
2 associated with each content item, and the optimization constraints index classes of
3 client devices, wherein each class of client device has different performance
4 characteristics, further comprising:
5 assigning the requesting client device an optimization constraint responsive to
6 the performance characteristics of the requesting client device; and
7 selecting comprises selecting a content item responsive to the assigned
8 optimization constraint.

1 9. (Original) The method of claim 8 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:
4 determining a connection type in use by the client device; and
5 associating an optimization constraint responsive to the connection type of the
6 client device.

1 10. (Original) The method of claim 8 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:
4 determining a web browser in use by the requesting client device; and
5 associating an optimization constraint further comprises:

6 associating an optimization constraint responsive to the web browser in use by
7 the requesting client device.

1 11. (Original) The method of claim 8 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:
4 determining a processor type in use by the requesting client device; and
5 associating an optimization constraint further comprises:
6 associating an optimization constraint responsive to the processor type in use by
7 the requesting client device.

1 12. (Original) The method of claim 8 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:
4 determining an amount of memory in use by the requesting client device; and
5 associating an optimization constraint further comprises:
6 associating an optimization constraint responsive to the amount of memory in
7 use by the requesting client device.

1 13. (Original) The method of claim 8 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:
4 determining a display type in use by the requesting client device; and
5 associating an optimization constraint further comprises:
6 associating an optimization constraint responsive to the display type in use by
7 the requesting client device.

1 14. (Currently amended) A system for transmitting content data over a
2 network, comprising:
3 a content server, for receiving a request for content from a client device,
4 selecting non-optional and optional content of the content data, the
5 optional content selected responsive to performance characteristics of the
6 client device, and transmitting the non-optional and selected optional
7 content to the requesting client device.

1 15. (Original) The system of claim 14 further comprising a plurality of client
2 devices, for transmitting requests for content to the content server and receiving content
3 transmitted from the content server, at least one client device having different
4 performance characteristics than at least one other client device.

1 16. (Original) The system of claim 14 wherein optimization constraints index
2 classes of client devices based upon performance characteristics and the optional
3 content within a context data is indexed by the optimization constraints, and the
4 content server selects optional content from the context data responsive to assigning an
5 optimization constraint to a requesting client device.

1 17-19. (Canceled)

1 20. (Currently amended) A method of delivering a web page comprising:
2 storing a plurality of web pages, including web pages containing non-optional
3 content data and optional content data;
4 receiving a request for transmission of the web page from a remote device;
5 determining at least one performance characteristic of the remote device;

6 selecting one of the plurality of stored web pages for providing to the remote
7 device;
8 automatically including from the selected web page the non-optional content
9 data, and automatically selecting optional content data of the web page
10 responsive to the determined at least one performance characteristic; and
11 transmitting the selected web page, including the non-optional content data and
12 the selected optional content data to the remote device.

1 21. (Original) The method of claim 20 wherein selecting optional content
2 further comprises:
3 selecting one of a plurality of content items responsive to the performance
4 characteristics of the requesting client device.

1 22. (Original) The method of claim 21 wherein the plurality of content items
2 is ordered with respect to highest and lowest performance characteristics of client
3 devices, and selecting comprises:
4 responsive to a client device having a highest performance characteristic,
5 selecting a first ordered content item.

1 23. (Original) The method of claim 21 wherein the plurality of content items
2 is ordered with respect to highest and lowest performance characteristics of client
3 devices, and selecting further comprises:
4 responsive to a client device having a highest performance characteristic,
5 selecting a last ordered content item.

1 24. (Original) The method of claim 22 wherein optimization constraints are
2 assigned to classes of client devices, and each class of client device has different
3 performance characteristics, further comprising:
4 determining the performance characteristics of the requesting client device;
5 determining a class of client device to which the requesting client device belongs
6 responsive to the determined performance characteristics of the
7 requesting client device;
8 assigning the requesting client device an optimization constraint responsive to
9 the determined class of client device to which the requesting client
10 device belongs; and
11 selecting comprises selecting a content item whose order corresponds to the
12 optimization constraint.

1 25. (Original) The method of claim 24 further comprising:
2 responsive to an optimization constraint specifying a class of device having a
3 lowest performance characteristic, selecting a content item requiring a
4 least amount of bandwidth to be transmitted.

1 26. (Original) The method of claim 24 further comprising:
2 responsive to an optimization constraint specifying a class of device having a
3 lowest performance characteristic, selecting a content item comprising a
4 least amount of data.

1 27. (Original) The method of claim 21 wherein optimization constraints are
2 associated with each content item, and the optimization constraints index classes of
3 client devices, wherein each class of client device has different performance
4 characteristics, further comprising:

5 assigning the requesting client device an optimization constraint responsive to
6 the performance characteristics of the requesting client device; and
7 selecting comprises selecting a content item responsive to the assigned
8 optimization constraint.

1 28. (Original) The method of claim 27 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:

4 determining a connection type in use by the client device; and
5 associating an optimization constraint responsive to the connection type of the
6 client device.

1 29. (Original) The method of claim 27 wherein assigning an optimization
2 constraint responsive to the performance characteristics of the requesting client device
3 further comprises:

4 determining a web browser in use by the requesting client device; and
5 associating an optimization constraint further comprises:
6 associating an optimization constraint responsive to the web browser in use by
7 the requesting client device.

1 30. (Currently amended) A computer-readable medium for use in a system
2 having a web server for storing content data, and which is connected to a plurality of

3 client devices, the computer-readable medium storing instructions which cause the
4 server to:
5 store a plurality of files, including files containing non-optional content data and
6 optional content data;
7 receive a request for content data from a client device;
8 determine performance characteristics of the client device;
9 selecting select one of the plurality of stored files for providing to the client
10 device;
11 automatically include from the selected file the non-optional content data, and
12 automatically select optional content data ~~of the content data~~ responsive
13 to the performance characteristics of the requesting client device; and
14 transmit the selected file, including the non-optional content data and the
15 selected optional content data to the client device.

1 31. (Original) The computer-readable medium of claim 30 wherein the
2 stored instructions further cause the processor to:
3 select one of a plurality of content items responsive to the performance
4 characteristics of the requesting client device.

1 32. (Original) The computer-readable medium of claim 31 wherein the
2 plurality of content items is ordered with respect to performance characteristics of client
3 devices, and the stored instructions further cause the processor to:
4 responsive to a client device having a highest performance characteristic, select
5 a first ordered content item.

1 33. (Original) The computer-readable medium of claim 31 wherein
2 optimization constraints are assigned to classes of client devices, and each class of client

3 device has different performance characteristics, and the stored instructions further
4 cause the processor to:
5 determine the performance characteristics of the requesting client device;
6 determine a class of client device to which the requesting client device belong
7 responsive to the performance characteristics of the requesting client
8 device;
9 assign the requesting client device an optimization constraint responsive to the
10 determined class of client device to which the requesting client device
11 belongs; and
12 select a content item corresponding to the optimization constraint.

1 34. (Original) The computer-readable medium of claim 32 wherein
2 optimization constraints are associated with each content item, and the optimization
3 constraints index classes of client devices, wherein each class of client device has
4 different performance characteristics, and the stored instructions further cause the
5 processor to:
6 assign the requesting client device an optimization constraint responsive to the
7 performance characteristics of the requesting client device; and
8 select a content item responsive to the assigned optimization constraint.

1 35. (Original) The computer-readable medium of claim 34 wherein the
2 stored instructions further cause the processor to:
3 determine a connection type in use by the client device; and
4 associate an optimization constraint responsive to the connection type of the
5 client device.

1 36. (Original) A method of optimizing the delivery of content data from a
2 web server to a client device, wherein the content data is comprised of content items,
3 optimization constraints are associated with each content item, the optimization
4 constraints index classes of client devices, and wherein each class of client device has
5 different performance characteristics, the method comprising:

6 receiving a request for content data from the client device;

7 determining a class of device to which the requesting client device belongs

8 responsive to the performance characteristics of the requesting client

9 device;

10 assigning the requesting client device an optimization constraint responsive to

11 the determined class of client device;

12 selecting one of a plurality of content items responsive to the assigned

13 optimization constraint; and

14 transmitting the selected optional content to the client device.

1 37. (Canceled)